

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Hurricane Sandy - Polrep/Sitrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II**

Subject: SITREP #18
Operations Continue
Hurricane Sandy

Edison, NJ
Latitude: 40.4494047 Longitude: -74.4379073

To: Michael Hoppe, USEPA Region 02, ERD-RPB

Thru: REOC Deputy Regional Incident Coordinators,
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From: REOC Situation Unit Leader,
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Date: 11/15/2012

Reporting Period: 0700 hours 11/15/2012 thru 1900 11/15/2012

Executive Summary

EXECUTIVE SUMMARY

Assessment teams in NJ continued to follow-up on notifications received through the NRC, emergency hotline, and through the Regional Public Liaison (Ombudsman). EPA teams deployed to municipalities in Monmouth County to determine any recovery needs for the next operational period. Meanwhile, the recovery of orphaned containers in Manasquan and Little Egg Harbor were completed.

The first dewatering centrifuge will start operations at the PVSC facility following the operational period. EPA has established an air monitoring network for hydrogen sulfide detection along the facility perimeter and in the Ironbound neighborhood. Utilizing the viper system, this information will be available in real-time.

At MCUA, EPA received a Mission Assignment Task Order to remove oil and sludge from process equipment and critical areas of the facility. Crews will be deployed in the next operational period to prepare for the operations.

The EPA Boston Whaler vessel sampled waters located in Raritan Bay and in the Raritan River. Twelve locations were selected for sampling as well as two locations near the outfalls of MCUA. Samples will be analyzed for fecal coliform by the Regional Laboratory.

In NY, HHW continued to be collected and staged at the four facilities in Suffolk County and one in Nassau. Recovery crews conducted recovery activities throughout Long Island, and continue to coordinate with officials at the EOCs.

EPA assessment teams conducted inspections of the Bay Park Sewerage facility. The facility was found to be operating under generator power and did not request additional assistance. However, EPA was instrumental in coordinating County and local resources to address residential impacts in the community that were impacted when a sewer line ruptured and flooded the homes with contaminated water.

In NYC, EPA activities at Fresh Kills #1 have concluded as materials were moved out via barge to the Port of Albany and transferred to a landfill. EPA activities at Father Capadanno have also been completed since all material has now been moved out of the area. Crews will move to Cedar Grove in Staten Island to commence HHW segregation activities there in the next operational period. Efforts at Fresh Kills #2 and Riis Park continued as usual.

EPA continued to meet with officials over the use of sand deposited in residential communities in the Rockaways (NYC). Plans are being formulated to move the sand to the Mariner's Marsh Park as an extension of an ongoing Brownfields project. This event will generate a significant amount of additional parkland for the city of NY.

Debris meetings were held in both NJ and NY between EPA, State officials, and Army Corp. of Engineers. In NJ the Debris Task Force commenced discussions of state-wide objectives for the management of debris. EPA does not have a mission for HHW in NJ, however EPA is able to provide technical advice on other waste-streams. In NY the debris management team continued discussions with ACE personnel regarding waste in NYC. Material is moving in an expeditious manner, transporting waste to final disposal facilities at the GROWS landfill in Pennsylvania and Seneca Meadows in NY.

1. Introduction

1.1 Background

Site Number:		Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	Stafford Act	Response Type:	Emergency
Response Lead:	FEMA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	10/29/2012	Start Date:	10/29/2012
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	

ERNS No.:**State Notification:****1.1.1 Incident Category**

Hurricane Disaster Response

1.1.2 Site Description**1.1.2.1 Location**

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem, Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic. Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk.

1.1.2.2 Description of Threat

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments continue at EPA Sites as waters recede, power is restored, and managers are able to access their sites and regulated facilities.

1.2 Incident Objectives**Incident Objectives**

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.
- 4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.
- 5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.
- 6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.
- 7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.
- 8) Pursue and deploy any resources needed to support and sustain agency missions.

1.3 Critical Resource Needs**Critical Resource Needs**

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. The majority of needs from drinking water and wastewater facilities are the supply of fuel to maintain and operating status. Although a function of Emergency Support Function #3, EPA was requested to assist in support these needs. Liaison Officers in the State EOCs and the FEMA RRCC continue to coordinate with other ESF partners on addressing these needs.

1.4 Strategic Considerations**Strategic Considerations**

- 1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.
- 2) Ensure staffing adjustments meet current operational needs.
- 3) Provide direct work and/or technical support to collect HHW.
- 4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.
- 5) Coordinate efforts with States to identify needs and resolve issues.
- 6) The PVSC and MUCA waste water facility responses are a high priority.
- 7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.
- 8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
- 9) Support the regional and national public affairs needs to provide effective messaging.

2. Current Activities

2.1 Operations Section

CURRENT ACTIVITIES:

DIVISION NEW JERSEY

Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on 3 November, 2012. On 5 November, 2012 FEMA declared all remaining New Jersey counties eligible for Public Assistance.

NEW JERSEY RESPONSE ACTIONS

Field operations were focused on providing continued support by the Waste Water Assessment Teams to two large waste water treatment facilities in Middlesex and Monmouth Counties; Hazmat Assessments in Hudson and Monmouth Counties; Mitigation Support in Monmouth and Ocean Counties; Response Support in Union County; and Household Hazardous Waste Collection Support in Ocean and Monmouth Counties.

Assessment Teams (NJ)

Hazmat Assessment Teams conducted assessment activities in Hudson and Monmouth Counties during this operational period. A summary of their activities is provided below.

Hudson County

NRC# 1028863 – Facility located in Karney reported a maintenance building flooded with various oils (approximately 1,000 gallons). On 14 November, 2012 a Hazmat Assessment Team contacted a representative with the facility who stated clean-up has been completed and impacted material has been staged for disposal.

NRC# 1028837 – Facility located in North Breen reported a tank containing used oil floated and leaked into the nearby river. On 14 November, 2012 a Hazmat Assessment Team contacted a representative with the facility who stated clean-up has been completed and impacted material has been staged for disposal.

NRC# 1029421 – Residence located in Bayonne reported residual oil and oil residue in a first floor apartment. On 10 November, 2012 a Hazmat Assessment Team conducted an assessment and found that the area was power-washed by a contractor hired by the city. While some water marks and residue remain, the majority of oil had been removed from exterior of house. Residue was present on the inside of first floor apartment and 1-2 feet of water remained in basement. On 14 November, 2012 a Hazmat Assessment Team contacted the owner to inform her that she can contact a representative with the city with questions regarding additional cleanup. Also the city is able to pump-out water from the basement. EPA is available to provide assistance to state and local agencies, as requested.

Monmouth County

On 14 November, 2012 a Hazmat Assessment team conducted assessment activities in Monmouth County. In Manasquan, the team returned to three bladders tied to a boat slip, that were identified yesterday. NJDEP verified with the property owner that these items were air bags and not full of fuel. The team travelled to Neptune (Shark River Hills) and identified drums noted in the Shark River mud flats near Lakewood Road. Upon further inspection the drums were observed to be empty and left in place. In Neptune, the team also identified the following containers: 1 55-gallon poly drum, no bung, on its side, leaked contents (Team uprighted the drum); 1 275-gallon fuel oil tank, overturned with most contents released (NJDEP has been notified); 1 blue 55-gallon poly drum, uprighted with lid, handwritten label indicates contents is oil; 1 275-gallon fuel oil tank, empty, no visual evidence of fuel spill. In addition, the team also identified a black, oily-looking residue and debris along the road at the intersection of Riverside Drive and Clinton Place. This location is near sewer pumping station. The source of this residue is unknown, but it does not appear to be petroleum. Local residents in the area had previously reported an odor and local authorities had placed a speedy-dry sorbent drying compound. The team also noted new transformers and poles in this area. GPS data was collected at each item location and EPA met with Monmouth County to discuss continued coordination relating to hazardous materials.

On 14 November, 2012 a Hazmat Assessment Team conducted telephonic surveys and follow-up to close-out reports on the Incident Notification Log. The team closed-out the following: NRC # 1029402, 1029814, 1029498, 1029561, 1029092, 1029594, 1029552, 1029338, 1028755, and 1029410. No further EPA assistance is required at this time for any of the reports listed.

Response Team (NJ)

Bayway/Phillips 66, Linden - On 14 November, 2012 a Hazmat Assessment Team conducted an assessment of the recovery efforts. The RP intends to stand down the Incident Command Post within the next two days and finish with the removal of free product from all impacted areas. This will then initiate the transition from the active recovery phase to the passive recovery phase. As of November 13, 2012 at 1000, the RP has estimated 146 barrels of oil have been recovered from the ERB discharge and one barrel of oil has been recovered from the Tank 310 discharge. Wildlife Impacts as of November 13, 2012 (at 1000): 252 oiled birds had been captured (114 cleaned, 102 were dead on arrival and 36 were euthanized- the majority of the birds were Canada Geese), 6 deer had been captured (5 were dead on arrival), 38 oiled turtles were captured (36 were cleaned and 2 were dead on arrival), and 1 oiled domestic cat was found dead. EPA will provide oversight of remediation activities as needed. The team also visited Veterans Park in Bayonne and conducted reconnaissance of some of the previously identified recovery points. None of these points were verified. The team plans to return tomorrow to complete a more thorough assessment of the area.

Mitigation Team (NJ)

On 14 November, 2012 a Hazmat Mitigation Team was deployed to Monmouth and Ocean Counties to collect orphan containers and transport them to a staging area. In Manasquan, the team collected 20 pounds of elemental mercury from NJDEP. The mercury was originally delivered to NJDEP by a local resident. A small overpack container was observed, but upon further inspection determined to be an unused spill kit and left in place. The team traveled to Little Egg Harbor to respond to a storm impacted waste oil tank. The tank was pumped out by ERRS and left at the marina as private property. ERRS collected 185 gallons of waste oil from this tank. All items were transported to the Vineland Waste Collection Station.

Ocean Water Survey (NJ)

NJDEP requested EPA to conduct ocean water sampling on the Raritan River and in Raritan Bay. The Boston Whaler Ocean Survey Vessel, supplied with EPA DESA personnel, collected surface water samples from 12 sampling locations for fecal chloroform analyses during this operational period. The analyses will be performed by the Region II laboratory.

Orphan Container Staging Areas

On 14 November, 2012 EPA conducted communication to identify potential household hazardous waste collection and staging areas. Two

locations in Ocean County were identified:

Blue Claws Stadium
Cedar Bridge Ave (Route 528) & New Hampshire Ave
Lakewood, NJ

Southern Ocean Recycling Center
Route 72 & Garden State Parkway (Exit 63)
Stafford Township
Manahawkin, NJ

An addition location in Monmouth County is also being considered for use as a potential household hazardous waste collection and staging area. The Monmouth Park Race Track has been identified, but is not considered ideal because of the location of sheltering at this facility. The location address:

Monmouth Park Race Track
175 Oceanport Ave
Oceanport, NJ

Vineland Waste Collection Station (Temporary)

ERRS crews continue to transport collected orphan containers to the facility in Vineland, NJ. This collection pad is being used temporarily until EPA and NJDEP can finalize a more permanent location

NJ Incident Summary Table

Below is a summary table for NJ Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 1400 hours on 11/14/2012. The table includes the materials involved.

New Jersey Incidents			
Number of Notifications to EPA			
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	3	167	170
Other	0	6	7
Haz	0	3	3
Operational Period Total	3	177	180

Wastewater Facilities (NJ)

Waste Water Assessment Teams provided continued support to two large water treatment plants and conducted field assessments of two waste water treatment plants during the 14 November, 2012 operational period. A summary of their assessments and support activities is provided by facility below.

Passaic Valley Sewerage Commission (PVSC)

A Water Assessment Team continued to provide support during the 14 November, 2012 operational period to the PVSC recovery operations. PVSC continues site cleanup with the goal of restoring dewatering and secondary treatment capabilities. On-site FEMA personnel continue to assist PVSC in the cost reimbursement documentation for hurricane related damages. ERRS continues night-time power-washing operations in coordination with PVSC to augment PVSCs cleanout of the impacted tunnels and basements. The first of ten planned mobile dewatering centrifuges is scheduled to become operation today at 1900. The mobile dewatering centrifuges are expected to operate for a period of 2-3 weeks during which time PVSC will repair and re-energize their in-house centrifuges and Zimpro dewatering systems.

EPA ERT along with SERAS, returned to PVSC Facility to meet with NJDEP who escorted the team to the two additional designated monitoring locations. The perimeter air monitoring stations record potential fugitive hydrogen sulfide (H₂S) emissions during centrifugal dewatering operations. This air monitoring program has been implemented to ensure that the surrounding communities are not being adversely impacted. All air monitoring results will be forwarded to NJDEP for public dissemination. Prior the installation of the two additional locations, a decision was made to move the monitors closer to the facility perimeter and the batteries were replaced on the non-shore powered monitors.

Once the Viper/SPM monitors were moved, the team commenced with the installation of the two additional monitoring locations inside Ironbound (469 Ferry & 649 Market- Newark NJ). The proper alarms were set-up and the recipients were added. Tomorrow, the team plans to return to the facility to attend a meeting with PVSC and NJDEP to determine the new parameter based on the previous night monitoring.

Middlesex County Utility Authority

A Water Assessment Team continued to provide support during the 14 November, 2012 operational period to prepare for upcoming site work. EPA received a Mission Assignment Task order to begin cleaning the pump rooms, screen rooms, control rooms and mechanical rooms that were flooded at the Sayreville Pump Station. The cleaning assistance is needed in order to help the MCUA meet or accelerate their schedule to increase pumping capacity at the station. An ERRS crew is scheduled to begin cleaning tomorrow, this operation is currently being coordinated with the MCUA construction contractor on-site. FEMA and ACE representatives toured the station today to assess the damage and on-going response efforts. EPA attended the tour to facilitate the assessment and explain EPA efforts to help MCUA meet their primary objectives of increasing capacity and eliminating the need to discharge to tributaries of the Raritan River.

Middlesex

On 14 November, 2012 a Waste Water Assessment Team was deployed to the Sayreville Wastewater Collection System in Sayreville to assess the condition of this plant. No structural damage was reported as a result of the storm. Three of nine pump stations are currently operating on emergency generators due to damage to the electrical system. The plant is scheduled to be back on permanent power supply shortly. No further EPA assistance is required at this time.

Today NJDEP provided EPA with a list of priority water treatment plants and wastewater treatment facilities in Ocean and southern Monmouth Counties that require storm damage assessments. NJDEP is assessing priority area facilities today, and will provide EPA with a revised facility list which will be used to determine future EPA water treatment plant and wastewater treatment facility assessments. Further

EPA assistance will be required in the near future.

New Jersey Hazardous Waste Summary 11/14/2012						Operational Period:		
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Vineland Container Storage Facility	13	0	1	0	4	1	0	24
Daily Total	19							

DIVISION NEW YORK

Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Suffolk, and Westchester.

- EPA continues to support USCG efforts at the Staten Island EOC.
- Recovery teams continued to collect and stage HHW at locations in Staten Island, Queens, Suffolk County, and Nassau County.
- USACE operations will be transitioning from the Father Capodanno debris pile to the Cedar Grove debris pile. USACE operations are nearing completion at the Fresh Kills Plants #1 and #2.
- Assessment teams continue to respond to NRC incident reports.

NEW YORK RESPONSE ACTIONS

New York City

Assessment Teams (NY)

In Staten Island, eight assessment teams were onsite to assist USCG. EPA continues to coordinate with USCG, NJDEP, NYSDEC, and NYCDEP.

NYC Debris Management Plan

EPA, NYC Department of Sanitation, USACE, and other officials continue to meet and discuss the management of debris from recovery efforts associated with Hurricane Sandy. Although EPA has been requested to manage HHW and orphaned containers at staging areas in NYC, USACE is in charge of the overall debris management. USACE has utilized four locations to collect and stage debris for transportation and disposal: Jacob Riis Park in Queens and Father Capodanno, Cedar Grove, and Fresh Kills Landfill Plants #1 and #2 in Staten Island. The final disposal location for all debris handled by USACE is the Seneca Meadows Landfill in Waterloo, NY and the GROWS Landfill in Pennsylvania.

Following assessments of the Seneca Meadows LF, it was determined that the facility is adequate to handle the material from NYC. The facility is technologically capable to recycle and properly dispose of material. No EPA assistance will be necessary at this facility.

EPA also inspected the Port of Albany facility, including the SIMS recycling facility in Albany. It was determined that this would be an appropriate place to establish an EPA HHW segregation and sorting area.

Jacob Riis Park (Queens)

HHW continued to be collected, segregated, and staged for transportation and disposal at the Jacob Riis HHW collection site. The NYC Department of Sanitation and USACE continued to transport debris to the Seneca Meadows Landfill by truck. Narrow roadways in conjunction with the transportation and disposal operations have resulted in disruptions to HHW collection.

The site was visited by the USACE Commanding General (2 star) on 11/13/2012 as a result of numerous inquiries about the waste segregation efforts.

Father Capodanno (Staten Island)

EPA continued to coordinate HHW efforts with USACE at the Father Capodanno facility in Staten Island. The USACE contractor (ECC) has been conducting operations on a 24-hour timeframe since 11/12/12 to remove debris, and debris removal activities are nearing completion. Debris continued to be sent to the Fresh Kills Landfill as well as directly to the Seneca Meadows Landfill via truck.

Due to close proximity of USACE equipment and the rapidly reduced debris pile, EPA and ERRS ceased HHW collection efforts at this location effective 11/14/12. USACE operations are expected to be completed by 06:00 on 11/15/12.

Cedar Grove (Staten Island)

The Cedar Grove debris area is located on a vacant lot in a residential community less than a mile from the Father Capodanno site. The debris pile resulted from the significant impacts to residential and commercial properties by the storm surge. HHW collection, segregation, and operations are planned to begin on 11/15/12 utilizing the personnel and equipment from the Father Capodanno site.

Fresh Kills Landfill (Staten Island)

Stockpiled debris at Fresh Kills Plant #1 has diminished significantly and HHW collection operations were ceased at 13:00 on 11/13/12 due to the close proximity to USACE equipment. All segregated HHW will be transferred to Plant #2 for packaging. Debris arriving at the Fresh Kills Plant #1 from other debris piles (Fresh Kills Plant #2 and Father Capodanno) will continue to be loaded on barges by USACE. The barges are transported to the Port of Albany where metal is recycled at the SIMS facility and the remaining debris is sent to the Seneca Meadows Landfill via truck.

HHW collection, segregation, and staging continued at Fresh Kills Plant #2, utilizing the NYC Department of Sanitation garage building as an indoor segregation area. Orphan containers collected from various locations within the five boroughs of NYC are being staged at Plant #2

New York Hazardous Waste Summary 11/14/2012						Operational Period:		
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Cedar Grove Staging Area	1	0	0	0	0	0	1	1
Fr. Capadano Park, Staten Island	0	10	0	0	0	82	92	1420
Fresh Kills Landfill Plant #1	0	0	0	0	0	0	0	361
Fresh Kills Landfill Plant #2	4	4	17	0	0	247	272	647
Islip Multipurpose Recycling Facility	0	0	0	0	0	49	49	100
Jacob Riis Park, Queens, NY	0	5	3	0	0	206	214	1359
Nickerson Park*	8	142	80	1	56	4852	5139	0
Patchogue WWTP	0	0	6	0	0	20	26	160
Patchogue WWTP (Mastic Beach)	0	0	0	0	0	0	0	92
Riverhead Collection Area	0	1	1	0	0	9	11	12
Venetian Shores Park	0	9	0	4	0	900	913	2283
Daily Total	6717							
Cumulative Total	14554							

* note that the Nickerson Park data was not previously available

The following table presents the cumulative New Jersey and New York Hazardous Waste Summary data:

Cumulative Hazardous Waste Summary 11/14/2012							Operational Period:	
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	State Cumulative
New York	13	171	107	5	56	6365	6717	14554
New Jersey	13	0	1	0	4	1	19	24
Op-Period Totals	26	171	108	5	60	6366		
Cumulative Totals	72	251	203	124	66	13862		
Grand Total	6736							
Grand Cumulative	14578							

Night Operations

The Situation Report was sent out at 23:00.

REGULATED FACILITIES

A spreadsheet has been developed to track the status of facilities possibly impacted by Hurricane Sandy. This information includes facility contact person information, latitude and longitude, and description of release circumstances and cleanup efforts, and whether any EPA assistance is requested. The marker for EPA assistance is whether a regulated substance has been released into navigable waters and/or the environment.

The following table summarizes phone calls and emails in targeted impacted areas of New Jersey and New York.

Regulatory Program	Number of Facilities Contacted	Number of Facilities Reached	Report of Facility Releases
FRP	67	63	4
RMP	30	28	0
SPCC, Marinas, & Other Oil	265	255	0
Total	362	346	4

The four FRP facilities that reported releases are the Kinder Morgan Carteret Terminal, Phillips 66 Bayway, EH Werner, and the Motiva Sewaren facility. These sites are actively addressed with NJDEP and USCG. An OSC has visited Phillips 66 Bayway and Motiva Sewaren to monitor cleanup efforts and provide assistance.

In addition to an email distribution by the New York Marine Trades Association and Marine Trades Association of New Jersey to over 425 members, the Region is actively involved in contacting and reaching potentially impacted marinas via telephone and emails. Marinas are being reminded to contact the NRC to report spills, sheens, and lost oil tanks and containers. The Region is evaluating all marinas damage assessment responses in order to determine appropriate follow-up.

Damage assessment results have been received, via email, by most registered RMP and FRP facilities in New Jersey and New York. The Region is evaluating all damage assessment responses in order to determine appropriate follow-up.

Compliance assistance concerns are being actively addressed for RMP, FRP, SPCC, Marinas, and Other Oil facilities.

RCRA Corrective Action Sites

State/County	Facilities	Facility Status Confirmed by EPA or State	Issues Reported by Facility, State or EPA*
New Jersey (1A) – Middlesex, Monmouth, Union, Passaic, Somerset, Hudson, Bergen, and Essex Counties	55	49	9
New Jersey (1B) – storm surge areas in Salem, Burlington, Gloucester, and Camden Counties	17	15	0
New Jersey (2) – facilities in other counties/non- storm surge areas	34	32	0
New York - All NYC, Nassau, Suffolk, Westchester, and Rockland Counties	37	20	3

CASD deployed 2 teams (2 corrective action project managers per team) to assess up to 18 targeted facilities in Kings, Queens, Nassau, Westchester and Rockland counties. As of 1500 today the teams reported back their assessments of 4 facilities: Radiac (Kings), Review Ave. Development II (Queens), General Instruments (Nassau), and LIPA-Hicksville Operations (Nassau). The LIPA facility reported that a transformer was damaged by Hurricane Sandy causing an oil spill of approximately 20 gallons. The facility called the NYS Hot Line and the State removed the soil that was impacted by the spill. No other issues were reported for the other 3 facilities.

CASD is on standby to deploy three teams (2 corrective action project managers per team) to assess up to 29 targeted facilities in Passaic,

Bergen, Essex, Hudson, Union, Middlesex and Monmouth counties. CASD is awaiting feedback from the DRA regarding NJDEP's concurrence with EPA performing the assessments.

CASD provided assistance to Superfund On-scene-coordinators regarding RCRA identification numbers needed to track disposal of hazardous waste material from the New York City household hazardous waste collection sites.

DECA Information for 11/14/12

Underground Storage Tanks:

Summary of DECA UST personnel in field on 11/14/12: Three teams deployed in NYC Evacuation Zone A: Manhattan (Sacker/Martin), Suffolk County North Shore (Zafonte/Misluk), Suffolk county North Shore (Moy/Guster). Two contractor teams deployed in NOAA surge zone of Nassau County (SAIC (Hahn/Peebles), (Browning/Whittum).

Summary of Site Assessments: Up through 11/13/12: Total of 156 UST assessments completed. 109 UST assessments are federally regulated UST facilities in Evacuation Zone A areas of Staten Island, Rockaways, Bronx, and Brooklyn/Coney Island, 21 assessments are federally regulated USTs at retail facilities in the storm surge zone of Nassau County, 5 assessments are > 50,000 gallon backup generator USTs on Staten Island and Lower Manhattan.

State	Universe	Visited	Contacted via Phone	Reached via Phone	Problem?
NY	195*	156	11	9	<p>Coney Island Hospital. Hospital registered USTs were sound. 1 UST registered to the hospital and operated by NYFD-EMT appears abandoned and unsecured with diesel fuel. Dispenser is locked.</p> <p>Staten Island Yacht Sales & Marina. USTs could not be located; dispensers destroyed.</p> <p>NYPD 60th Police Precinct 2951 W 8th Street, Brooklyn NY 11224. Facility heavily damaged and not operational. Recently installed USTs not assessed by operator, lowest priority for facility.</p> <p>Verizon Wireless 140 West St. Manhattan basement with backup generator USTs flooded; release reported and responded to by NYSDEC.</p> <p>55 Water St. Manhattan : basement with backup generator USTs flooded; release reported and responded to by NYSDEC.</p> <p>Oak Wood Beach STP on Staten Island gasoline USTs not operational due to dispenser malfunction.</p> <p>No Power: 31 facilities</p> <p>Storm Damaged Facility: 37</p> <p>Storm Damaged UST System (# facilities) : 12 Yes 15 unknown</p> <p>UST Spills: 2 Require Follow-Up: 37 facilities</p>

* NYC Evacuation Zone A registered federally regulated USTs, Nassau County retail USTs in storm surge zone, and Suffolk County Storm Surge federally regulated USTs. Universe expands as targeted areas area added and additional facilities encountered in the field that were not on NYSDEC master list of registered federally regulated USTs

NJDEP reported the following UST Activities for Northern Region.

Total # Facilities 113 Site visits – 12 were follow ups - 101 Individual sites					
Total Needing Assistance					
Total Not Operating		Operating on Grid		Operating on Generator	
50		47		4	
Flooded	27	Flooded	11	Flooded	0
No Power	23	No Power		No Power	
Flooded tanks 3 sites had water in UST					

NJDEP also reported that in Ocean County, 62 site visits were performed and 33 facilities were not operating due to power loss. They are analyzing data to include in summary table to be reported next week.

Large Quantity Generators (LQG):

Summary of DECA

LQG personnel in field on 11/14/12: Four teams of two inspectors each deployed on 11/14/12. Teams are as follows: Abdool Jabar and Sam Kerns, Meghan LaReau and John Wilk, Carl Plossl, and Ronald Voelkel, Steven Petrucelli and Norman Rost.

Summary of LQG

Site Assessments: Up through 11/13/12:

State	Universe	Visited	Reached via phone	Problems
NY	129*	13**	5	2
NJ	404	0	8	1

*EPA will inspect 68 facilities. The remaining 61 facilities to be addressed by NYSDEC.

**Number corrected to reflect actual number of sites visited rather than projected. Identified Problems:

1. Kinder Morgan Liquid Terminals, 4101 Arthur Kill Road, Staten Island - Four 55-gallon drums of waste lost (one of which was D001/D018 hazardous waste - solvent soaked rags, the other three were non-hazardous well purge water). Facility unsure of whether this was reported to the spill response center - we have reported this to the EPA incident command. Also lost 15 5-gallon pails of unknown product, some but not all of which were recovered. Wilfredo Palamino was also present at the site for corrective action assessment. Facility also lost hazardous waste documents.

2. Kinder Morgan Carteret NJ Facility - Facility not visited but EPA inspector was informed that several large tanks had floated up, were damaged, and had released their contents.

3. New York University – Hospitals Center and School of Medicine- Cellar and basement flooded. EPA unable to complete assessment of basement hazardous waste storage area. Oil spill from 6,000 gallon fuel oil tank was reported to the NY State Hotline (report# 1208025).

Summary of Pesticide Producing Manufacturers Assessments: Up to noon 11/14/12:

State	Universe	Contacted via Phone	Reached via Phone	Problems
NY	85	76	59	0
NJ	187	186	133	1
Total	272	262	192	1

Identified Problem:

Company: Mid Continent Packaging/Alden Leeds located at 55 Jacobus Ave, Kearney, NJ; telephone 973-589-3544, contact Mark Epstein, VP Operations. They manufacture pool chemicals. As a result of fire and storm surge from hurricane, they have several hundred tons of pool chemicals that are contaminated. They contacted Hadar Camargo of the NJDEP/OEM. Mr. Epstein requested federal assistance since the chemicals are unsecured.

Air Majors and Synthetic Minors in NY:

Summary of DECA Air personnel in field on 11/14/12:

7 air inspectors in three teams deployed on 11/14/12. Three teams are as follows: Steve Carrea and Ralph Lonergan, Richard Kan and Johnny Chiang, Joseph Cardile and Mozafar Ghaffari and Philip Ritz.

Summary of Air Facility Assessments: Up through 11/13/12:

State	Universe	Visited	Problems
NY	39*	3	1

*9 of the 30 facilities were assessed by a different DECA program.

Identified Problem:

Brooklyn Navy Yard Cogen Plant—although no air emission issues identified, the facility's CEMS, circuit breakers, etc. are being evaluated due to flood damage. Plant was placed offline before the storm, and does not plan to come back online until next year.

Summary of PCB Facility Assessments:

NY Reported Transformer Releases* In the Affect AreaOct. 29, 2012 – Nov. 12, 2012 *Due to ongoing emergency response operations at the utilities, they will not be contacted until power restoration is complete.				
NYSDEC Spill Incidents Database				
	Universe ⁺	Positive for PCBs	Negative for PCBs	Unknown for PCBs
TOTAL	>577	0	0	>577
Bronx	12			
Brooklyn	13			
Manhattan	20Incl. substation release of 1,300 gals.			
Queens	22			
Staten Island	37Incl. substation release of 1,000 gals.			
Nassau	69			
Rockland	75			
Suffolk	22			
Westchester	292			
Address unknown	15			

* There were several entries which stated that multiple poles/transformers were involved.

NRC Incident Database

	Universe	Positive for PCBs	Negative for PCBs	Unknown for PCBs
TOTAL	79	2	6	71
Bronx	3			3
Brooklyn	4	1*		3
Manhattan	1			1
Queens	8		2	6
Staten Island	7			7
Nassau	9	1^		8
Rockland	6		1	5
Suffolk	2		1	1
Westchester	39		2	37

* A caller stated that apx. 50 gals. of an unknown oil with a high PCB content was discovered in a manhole. Caller stated that the PCB content was 11,120 ppm.

^ A caller stated that a transformer fell in their yard and discharged an unknown amount of transformer oil. Caller stated that the public utility service stated that they would not touch the oil because it contained PCB content.

A previous report identified 5 gals of oil containing PCBs from a pole transformer owned by NYS Electric and Gas Company. The release occurred in Rensselaer County and is not in the storm affected area.

NJ Reported Transformer Releases*#

Universe	Confirmed PCB Release	Unknown for PCBs	Non-PCB
72	2	36	34
*Due to ongoing emergency response operations at the utilities, they will not be contacted until power restoration is complete.			
#We are attempting to gain access to NJDEP's internal RTK database so that we can update this information.			

Registered PCB Storage and Treatment Facilities in the Impacted Area

	Universe	Contacted	Reached*	Release
NJ	10 storage facilities	10	4	No
NJ	1 disposal facility	1	1	No
NY	5 storage facilities	5	2	No
* We are continuing to contact facilities by telephone and will make a site visit to any facility not reached by telephone.				

SUPERFUND SITE ASSESSMENTS

Assessments at EPA Superfund Sites were requested by State and County representatives to determine any potential threats caused as a result of Hurricane Sandy. Some facilities were noted to have structural damage as a result of the Hurricane. However, it is the potential impact to the health of residents in the community that is the greater concern. Response actions are being and will be taken to mitigate and prevent any identified release or public health threats.

Superfund Site Assessments				
	Within Declared Counties	Assessed	Pending	Posing Potential Threat
Remedial Sites				
New Jersey	114 (including 3 proposed)	110	4*	1
New York	28 (0 proposed)*	28	0	0
Removal Sites				
New Jersey	83	83	0	0
New York	22	22	0	0

*OSCs were requested to assist in Superfund Site assessments. During this operational period, OSCs completed assessments of the Matlock facility in Hamilton, NJ and the Riverside Site located in Newark. No report information was available at the time of release, so these facilities remain in the pending section. An additional facility, the Chemical Control Corporation located in Elizabeth, will be completed in the next operational period.

Raritan Bay Slag (NJ)

Analytical data has been received regarding samples collected following impacts from Hurricane Sandy. Public Affairs and the Environmental Unit generated maps detailing locations and results of samples. A public meeting was held in the last operational period and attended by EPA OSCs in the Removal Program. EPA is coordinating with FEMA to address the concerns at this site, including funding mechanisms to provide site stabilization needs.

FUEL WAIVERS AND ASSURANCES ISSUED EPA has issued a total of four (4) fuel waivers and two (2) assurance letters relating to Hurricane Sandy and response activities. Below is a list of these waivers and assurances that have been issued through EPA Headquarters. Several extensions to the waivers and assurance letters have been recommended, however only one has been approved. Specific restrictions, conditions, limitation, and warnings exist for each waiver and assurance in efforts to prevent damage and inefficiencies to equipment, emission control equipment, engine performance, or vehicles. Refer to specific documents detailing these conditions, warnings, and limitations of these waivers and assurance letters.

Date Issued	Document Type	State(s)	Details	Expiration
October 31, 2012	Fuel Waiver	Multi-State (including NY/NJ)	Allows for gasoline to be brought in from out-of region	November 20, 2012
October 31, 2012	No Action Assurance Letter	NJ	Allows use of home heating oil in diesel generators at critical infrastructure locations, such as water/wastewater treatment plants, nursing centers, etc.	November 13, 2012
October 31, 2012	Fuel Waiver	NJ	User of high sulfur heating oil in mobile non-roads generators or pumps for disaster recovery and emergency purposes.	November 13, 2012
November 1, 2012	Fuel Waiver	NJ	Use of high sulfur heating oil in diesel power highway and non-road vehicles and equipment involved in disaster recovery efforts.	November 20, 2012
November 2, 2012	No Action Assurance Letter	NY and NJ	EPA will exercise enforcement discretion on violations of certain vapor recovery requirements for fuel loading/unloading to bulk gasoline terminals, pipeline breakout stations, and marine tank vessel loading operations.	Extended to December 7, 2012 (original date of November 17, 2012)
November 2, 2012	Fuel Waiver	NY (metro area only) and PA	Allows the use of home heating oil in diesel-powered highway and non-road vehicles and non-road equipment involved in disaster recovery efforts.	November 20, 2012

2.2 Planning Section

PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

The Environmental Unit reports that;

(1) At Newtown Creek, data has been provided to the Public Information Officer today (11/14/12).

(2) Regarding the Newark Bay / New York Harbor Clean Waters ambient sampling data from Sunday, November 11th, and Monday, November 12th, have been provided to the Public Information Officer. Fecal coliform was above applicable criteria at all stations sampled on November 11th and November 12th; the analytical results from Tuesday, November 13th sampling are pending.

(3) Regarding the Raritan River / Upper Raritan Bay ambient sampling, 12 locations throughout the Raritan River/Upper Raritan Bay as well as 2 locations near the MUA effluent discharge point are being sampled today, Wed 11/14/12, for the presence of fecal coliform in estuarine/river waters potentially impacted by the MUA WWTP discharge.

(4) Regarding the Passaic Valley Sewerage Commission (PVSC), the initial 24-hour real time monitoring period at the facility for the presence of hydrogen sulfide will commence this evening, Wednesday, November 14th. A daily summary report of exceedances/alarm period and duration shall be provided to the Environmental Unit at 1500 hrs each afternoon.

2.3 Logistics Section

Logistics

Logistics secured hotel room for personnel deployed and arriving for this operational period and the next. PPE and additional resources have been acquired and delivered. Several shipments have yet to be received and are on back order. Vehicle inventory is down to about 4.

2.4 Finance Section

FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 11/14/2012 @ 1330 hours;

Region, State	Agreement #	Agreement Date	Agreement Amount	Costs Incurred To Date	Estimated Burn Rate (\$/day)	Purpose
Region 2, New Jersey	4086DR-NJ-EPA-01 Expires 12/10/12	10/30/2012	\$300,000.00	\$268,379.71	\$17,891.98	ESF-10 EOC deployment and assessment assistance in NJ
Region 2, New Jersey	4086DR-NJ-EPA-02 Expires 12/01/12	11/1/2012	\$300,000.00	\$255,595.79	\$19,661.21	Drinking & Wastewater Assistance
Region 2, New Jersey	4086DR-NJ-EPA-03 Expires 11/30/12	11/2/2012	\$1,000,000.00	\$74,456.45	\$6,204.70	Technical Assistance for Environmental Assessments
Region 2 New Jersey	4086DR-NJ-EPA-04 Expires 03/02/12	11/2/2012	\$3,500,000.00	\$230,645.17	\$19,220.43	Direct Federal Assistance for oil/hazmat field ops
Region 2 New Jersey	4086DR-NJ-EPA-05 Expires 12/08/12	11/08/2012	\$1,000,000.00	\$167,753.91	\$9,319.66	REOC
Region 2 New York	4085DR-NY-EPA-02 Expires 11/10/12	10/30/2012	\$400,000.00	\$544,824.94	\$36,321.66	ESF-10 EOC deployment and assessment assistance in NY
Region 2 New York	4085DR-NY-EPA-01 Expires 12/01/12	11/1/2012	\$300,000.00	\$17,575.65	\$1,351.97	Drinking & Wastewater Assistance
Region 2 New York	4085DR-NY-EPA-04 12/04/12	11/4/2012	\$500,000.00	\$219,945.88	\$21,994.59	Technical Assistance for Environmental Assessments
Region 2 New York	4085DR-NY-EPA-03 12/01/12	11/2/2012	\$1,500,000.00	\$762,367.78	\$63,530.65	Direct Federal Assistance for oil/hazmat field ops
Region 2 New York	MA# Unknown/Verbal MA Pending	NA	\$75,000.00	\$10,532.97	\$585.16	Dewatering Ops
			\$8,880,000.00	\$2,556,316.84	\$142,017.60	
Reconfirmation of MA Funding Obligations Necessary (Ceiling increase or separate funding streams)						

2.5 Other Command Staff

2.5.1 Safety Officer

Safety Officers worked with OSHA rep at REOC today to coordinate field safety. Discussed CISM Mission with CISM staff. ASO's visited the HHW pad at Nickerson HHW in Nassau county, NY, and visited Jacob Riis Park in Queens, NY, met with OSC's, inspected HHW pads and provided safety recommendations for improvement. Contacted FEMA about MARAD berthing vessels for possible use to house our responders, planning for a tour and inspection of vessels.

2.5.2 Liaison Officer

Steve Touw is currently serving as the ESF-10 rep at the NJ JFO in Middletown, NJ, which continues to expand in staffing and capabilities.

The LNO participated in the initial meeting of the NJ Debris Management Task Force at the JFO, and provided an overview of EPA's oil and hazmat field activities in NJ. When questioned about plans for HHW collection, EPA made it clear that HHW is specifically not included in the Statement of Work for its ESF-10 MA, and will be addressed at the municipal, county and/or state levels.

EPA continued to staff the NY JOC located in Queens. The NYSEMO operations have moved out of the Albany location to be closer to operational activities.

In Staten Island, EPA continued to support the USCG and participate in the Unified Command. EPA is assisting USCG in shoreline assessments, container recovery operations, debris management, and aerial reconnaissance missions.

2.5.3 Information Officer

Pat Seppi is the PIO for November 12 thru 16 and can be reached at 646-369-0068. A four person CIC team deployed to Babylon, NY and met with OSCs on November 12. Recommendations from the CIC team will be used by the PIO to develop a HHW collection communications and outreach strategy. Sample results from the Raritan Bay Slag Superfund site were posted on the Web this operational period. The Information Office continues to respond to media and stakeholder inquiries on Gowanus Canal and Newtown Creek sampling. The Info Office has drafted Web text for reporting the Shinnecock Nation well testing results for posting on November 13, following notification to the tribe. Info office is attempting to contact the Middlesex County OEM to determine if they are issuing any health advisories on raw sewage discharge into Raritan Bay resulting from reports that there boating

and jet ski runs observed on the bay close to the outfall. Info office is working on a number of outreach products: HHW Public Service Announcements, New Jersey basement pump-outs, Nassau County HHW flyer and press release and an asbestos fact sheet.

3. Participating Entities

3.1 Unified Command

Unified Command has been established in Staten Island with the United States Coast Guard Sector New York. Mission Assignments have been issued to USCG for assessment and mitigation along the shores of Staten Island. USCG is focused on conducting shoreline assessments and has requested EPA contractor support to assist in these investigations. EPA has a seat with the UC and is coordinating activities associated with very specific Mission Assignments. EPA is also coordinating efforts to have interior areas that may have also been impacted as a result of storm surge and high winds.

3.2 Cooperating Agencies

EPA is coordinating with a host of agencies on numerous efforts to assess, respond, recover, and mitigate environmental threats caused by Hurricane Sandy. Federal partners include FEMA, Army Corp. of Engineers, USCG, NOAA, and others. State agencies that EPA is coordinating efforts with include Departments of Health, Transportation, Sanitation, Parks, NYSDEC, NJDEP, Emergency Management, and others. County and local officials are also integrated in decision making and tactical assessments of situations.

4. Personnel On Site

Region/State	Current EPA Personnel In Field (All Venues other than EPA Offices)	Current EPA Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2			60	46	106
New York	33	118			151
New Jersey	17	22			39
Total	50	140	60	46	296

Number of EPA Personnel Deployed to Region 2 - Hurricane Sandy

	OSCs	RMs	PIOs	Water Specialists	GIS Specialists	RPMs	CICs	Other (field capable)	Other (not field capable)	Total by Region
Region 1	8	0	0	0	0	0	1	0	0	9
Region 3	5	0	0	0	1	0	0	0	1	7
Region 4	1	0	0	0	0	0	0	0	0	1
Region 5	0	0	0	0	0	0	0	0	0	0
Region 6	0	0	0	0	0	0	0	1	0	1
Region 7	1	0	0	0	0	0	0	0	0	1
Region 8	0	0	0	0	0	0	0	0	0	0
Region 9	0	0	0	0	0	0	0	0	0	0
Region 10	0	0	0	0	0	0	0	0	1	1
HQ	0	0	0	0	0	0	0	0	0	0
Special Teams	0	0	0	0	1	0	0	5	1	7
Total by job title	15	0	0	0	2	0	1	6	3	27

5. Definition of Terms

Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

6. Additional sources of information

New York State Extends Shellfish Closure Areas – On 11/14, NYSDEC extended shellfish closures in towns on the north and south shores of Long Island.

New Jersey Reopens Shellfish Beds – On 11/12, NJDEP reopened beds in Delaware Bay from Cape May Point to Lower Alloys Creek following water monitoring and tissue sampling that found no bacteria contamination as a result from the storm.

Drinking Water and Wastewater Facility Status – See today's Tables for a snapshot of facility status. The Situation Report issued overnight will include the narrative from the OSC reports today.

NJ Drinking Water Facilities

Summary – The universe of community systems is 612, serving a population of 9 million. A community drinking water system is a public water system that provides drinking water year-round. Thirty-three systems are currently impacted (the system has not resumed normal operations as determined by the state). Twelve systems have issued boil water advisories, and 2 summer vacation communities have water outages. Eighteen systems are on generators; the power systems are unknown for the systems that have boil water advisories.

NJ Wastewater Treatment Plants

Summary – The universe of wastewater treatment plants is 179. Thirty are currently impacted. Based on information provided by NJDEP, all of these are operational; 11 are on generators. Two facilities are bypassing or not providing full secondary treatment.

Middlesex County Utility Authority (MCUA) – The plant is on the grid and currently treating ~72.5 million gallons per day (MGD) of wastewater from the South Amboy pump station (1.5 MGD), Sayreville Pump Station (50 MGD), and the Edison Pump Station (21 MGD).

Sayreville Pump Station Status:

The station now has the capacity to pump average dry weather flow, although at peak use times it is still discharging a much smaller amount of raw sewage. By the end of the week it expects to have one more pump, raising its capacity to 70-75 MGD. MCUA estimates that by 11/23 it should have sufficient pump station capacity to eliminate temporary pumps. Note that although the metal gates at the boat ramp closest to the pump station have been closed, limiting public access to the water, the EPA OSC and Juan Ibarra (Region 6) do not feel that there has been enough public outreach of the potential impacts of the discharged sewage. On 11/14, EPA sampled for fecal coliform and dissolved oxygen at locations near the pump station discharge as well as upstream and downstream of the discharge.

A Water Assessment Team continued to provide support during the 14 November, 2012 operational period to prepare for upcoming site work. EPA received a Mission Assignment Task order to begin cleaning the pump rooms, screen rooms, control rooms and mechanical rooms that were flooded at the Sayreville Pump Station. The cleaning assistance is needed in order to help the MCUA meet or accelerate their schedule to increase pumping capacity at the station. An ERRS crew is scheduled to begin cleaning tomorrow. This operation is currently being coordinated with the MCUA construction contractor on-site. FEMA and ACE representatives toured the station today to assess the damage and on-going response efforts. EPA attended the tour to facilitate the assessment and explain EPA efforts to help MCUA meet their primary objectives of increasing capacity and eliminating the need to discharge to tributaries of the Raritan River.

Edison Pump Station Status: (no update)

The station is designed to pump for 90 MGD and had 5 pumps. The station has temporary pumps in place to send 20 MGD to the plant, sufficient for all dry weather flow. During a wet weather event, under current bypass pumping, this station will not be able to handle all combined sewage and will overflow several manholes upstream of the station, resulting in discharges to Red Root Creek, a small tributary to the Raritan River. By the end of the week, the plan is to have the 30 MGD pump back in place.

Passaic Valley Sewerage Commission (PVSC)

The design flow is 330 MGD. Wastewater is moving through the plant, but receiving primary treatment and some disinfection. PVSC is discharging chlorinated wastewater from the site into New York Harbor. Total suspended solids (TSS) in excess of permitted limits continue to be discharged into New York Harbor and will dissipate once processes to handle the sludge are put into place.

Operational status:

Grit tanks (before the primary clarifiers) are still not operating. Ten primary clarifiers should be operational this afternoon or on 11/15 after the installation of motor control centers (MCCs). PVSC also stated that 7 secondary clarifiers are currently operating. All 12 oxygen tanks are now on line. On 11/16, 20 truckloads (100,000 gallons) of MCUA seed sludge will be brought to PVSC and placed into the Return Activated Sludge wet well.

Sludge removal status:

Sludge removal remains the biggest issue that must be resolved as soon as possible. Two Zimpro units are expected to start up late on 11/14 or by 11/15, with an additional 2 Zimpro units by Friday. The first Synagro centrifuge will start up today at 7 PM (EPA will be on site), and it is expected to last several hours as a test. The plan is to have 11 mobile centrifuges at the facility. PVSC expects that it's 3 centrifuge units (1, 5, and 6) to be on line by the end of next week. NJDEP personnel will travel in vehicles through the surrounding area in an attempt to detect any odors. Six H₂S monitors are at the plant perimeter and 4 are in neighboring communities.

A Water Assessment Team continued to provide support during the 14 November, 2012 operational period to the PVSC recovery operations. PVSC continues site cleanup with the goal of restoring dewatering and secondary treatment capabilities.

On-site FEMA personnel continue to assist PVSC in the cost reimbursement documentation for hurricane related damages.

ERRS continues night-time power-washing operations in coordination with PVSC to augment PVSCs cleanout of the impacted tunnels and basements.

The first of ten planned mobile dewatering centrifuges is scheduled to become operation today at 1900. The mobile dewatering centrifuges are expected to operate for a period of 2-3 weeks during which time PVSC will repair and re-energize their in-house centrifuges and Zimpro dewatering systems.

EPA ERT along with SERAS, returned to PVSC Facility to meet with NJDEP who escorted the team to the two additional designated monitoring locations. The perimeter air monitoring stations record potential fugitive hydrogen sulfide (H₂S) emissions during centrifugal dewatering operations. This air monitoring program has been implemented to ensure that the surrounding communities are not being adversely impacted. All air monitoring results will be forwarded to NJDEP for public dissemination.

Prior the installation of the two additional locations, a decision was made to move the monitors closer to the facility perimeter and the batteries were replaced on the non-shore powered monitors. Once the Viper/SPM monitors were moved, the team commenced with the installation of the two additional monitoring locations inside Ironbound (469 Ferry & 649 Market- Newark NJ). The proper alarms were set-up and the recipients were added. Tomorrow, the team plans to return to the facility to attend a meeting with PVSC and NJDEP to determine the new parameter based on the previous night monitoring.

NY Drinking Water Facilities

Summary – The universe of community systems is 191, serving a population of 12 million. Twenty-four are currently impacted (the systems have not resumed normal operations as determined by the state). Fourteen systems have issued boil water or do not use advisories. One system has a water outage, serving 80 homes in Split Rock, Nassau County. Five systems are on generators; the power source is unknown for the systems that have boil water or do not use advisories.

Sampling Results of Drinking Water Wells on Shinnecock National Lands – At the request of the Shinnecock Nation on Long Island (Suffolk County), the EPA sampled three drinking water wells located on the Nation's land on 11/10. The samples were analyzed for bacteria, turbidity and nitrates. Results from these samples show that the water from the wells meets New York State drinking water and groundwater standards.

NY Wastewater Treatment Plants

Summary – The universe of wastewater treatment plants in the declared area is 83. Twelve are currently impacted. Ten are on generators. According to NYSDEC, 6 are bypassing or not providing full secondary treatment.

NY Wastewater Plants of Greatest Concern – The wastewater treatment plants in New York State that are of greatest concern are Bay Park (Nassau County), Rockaway (Queens County), and Yonkers Joint Wastewater Treatment Plant (Westchester County). Ocean Beach (Fire Island, Suffolk County) is also a concern, but the community is sparsely populated this time of year. EPA assessed Bay Park on 11/14 (assessment summary will be provided in the overnight report – initial indication is that significant progress is being made) and will assess the Yonkers and Rockaway facilities on 11/15. According to NYSDEC, the Rockaway facility is now providing full secondary treatment. Also according to NYSDEC, two other plants in Westchester (Yorktown Heights and Port Chester) are not on the grid; once power is restored, the plants will resume normal operations.

EPA Sampling – On 11/15, EPA will take water samples near the Bay Park facility and the outfall location.

Drinking Water – New Jersey – Current as of 11/14		Population Served
Total # Community Water Systems = 612		9,000,000
EPA Assessed (cumulative) = 28		503, 242
Total Currently Impacted* = 33		n/a
Off Grid: Generator = 18	Off Grid: No Power = 0	n/a
Boil Water Advisories = 12		368,761
Do Not Use = 0		0
Water Outage = 2		Unknown - Pelican Island & Ortley Beach are summer vacation communities.

Wastewater Treatment Plants –New Jersey–Current as of 11/14		Population Served
Total # Wastewater Treatment Plants = 179		n/a
EPA Assessed (cumulative) = 23		n/a
Total Currently Impacted* = 30		n/a
Off Grid: Generator = 11	Off Grid: No Power = 0	n/a
Bypassing or not providing full secondary treatment = 2		n/a

Drinking Water – New York – Current as of 11/14		Population Served
Total # Community Water Systems = 191		12,000,000
EPA Assessed (cumulative) = 40		1, 535, 727
Total Currently Impacted* = 24		n/a

Off Grid: Generator = 5	Off Grid: No Power = 0	n/a
Boil Water Advisories = 13		4,991
Do Not Use = 1		1,800
Water Outage = 1		80 homes-Split Rock, Nassau County

Wastewater Treatment Plants – New York –Current as of 11/14		Population Served
Total # Wastewater Treatment Plants = 83		n/a
EPA Assessed (cumulative) = 12		n/a
Total Currently Impacted* = 12		n/a
Off Grid: Generator = 10	Off Grid: No Power = 0	n/a
Bypassing or not providing full secondary treatment = 6		n/a

* "Total Currently Impacted" –System has not resumed normal operations as determined by the state.

ADDITIONAL INFORMATION

WEBSITE: <http://www.epaosc.org/HurricaneSandy> WEBSITE:

WEBSITE:

INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: www.epaosc.net, click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

FlexViewer :

WEBSITE: http://www.epa.gov/geospatial/erm/Region2_HurricaneSandy/

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constant being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

Afterhours Notifications, National Response Center (NRC)	800-424-8802
Deputy Regional Incident Commander (DRIC) for NY, Neil Norrell	908-420-4512
Deputy Regional Incident Commander (DRIC) for NY, Anne Kelly	212-637-4397
Deputy Regional Incident Commander (DRIC) for NJ, Christopher Jimenez	908-420-4484
Deputy Regional Incident Commander (DRIC) for NJ, Laura Casillas	215-779-4898
FEMA IMAT (Albany), Michael Solecki, OSC	908-420-4501

NJ EOC (Trenton), Carl Pellegrino, OSC	908- 420-4491
FEMA RRCC(Colts Neck), Steve Touw, OSC	908-420-4458
NYC OEM (Brooklyn), Margaret Chong, OSC	908-420-4477
UC USCG (Staten Island), Ellen Banner	908-420-4462

REPORTING SCHEDULE

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaosc.org/HurricaneSandy.

7. Situational Reference Materials

Situational Reference Materials

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaosc.org/HurricaneSandy.